

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 32254
Name: Le Norman Energy Corporation
Address: P.O. Box 1024
City/State/Zip: Duncan, Oklahoma 73534
Purchaser: _____
Operator Contact Person: Joyce Williams
Phone: (580) 252-2085
Contractor: Name: Boderline Well Service
License: _____
Wellsite Geologist: none

Designate Type of Completion:

____ New Well ____ Re-Entry ☒ Workover
____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
☒ Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: KEATING #1-14
Original Comp. Date: 09/23/75 Original Total Depth: 6055'
____ Deepening ☒ Re-perf. ____ Conv. to Enhr./SWD
____ Plug Back ____ Plug Back Total Depth
____ Commingled ____ Docket No. _____
____ Dual Completion ____ Docket No. _____
____ Other (SWD or Enhr.?) ____ Docket No. _____

05/16/02 05/28/02
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 175-20258
County: Seward
S2 C NE NW/SE Sec. 14 Twp. 34 S. R. 31 ☐ East ☒ West
2210' feet from (S) / N (circle one) Line of Section
1650' feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE (SE) NW SW

Lease Name: KEATING Well #: 1-14

Field Name: ARKALON

Producing Formation: MORROW/ CHESTER/ CHEROKEE

Elevation: Ground: 2573' Kelly Bushing: _____

Total Depth: 6055' Plug Back Total Depth: 6050'

Amount of Surface Pipe Set and Cemented at 1392' Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License No.: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Dale D. Lorch

Title: Production Manager Date: 11/08/2008

Subscribed and sworn to before me this 8 day of November 2002

Joyce Williams #99001421
Notary Public
State of Kansas
My Commission Expires: Jan. 25, 2003

KCC Office Use ONLY

NO Letter of Confidentiality Attached

If Denied, Yes ☐ Date: _____

NO Wireline Log Received

NO Geologist Report Received

____ UIC Distribution

Operator Name: Le Norman Energy Corporation Lease Name: KEATING Well #: 1-14
Sec. 14 Twp. 34 S. R 31 East ☒ West County: Seward

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☐ Yes ☒ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken Yes ☒ No

Electric Log Run Yes ☒ No
(Submit Copy)

List All E. Logs Run:

SEE ORIGINAL

Log Formation (Top), Depth and Datum Sample

Name Top Datum

SEE ORIGINAL

CASING RECORD New Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SEE ORIGINAL							

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ____ Perforate ____ Protect Casing ____ Plug Back TD ____ Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	5336'-5344'	5336'-5374' W/ 3000 GAL 7 1/2% HCL ACID	
4	5366'-5374'		
4	5656'-5680'	5630'-5680' W/ 1000GAL 7 1/2% JC; ACID	
4	5630'-5638'		

TUBING RECORD		Size 2 3/8"	Set At 5707'	Packer At	Liner Run Yes ✓ No
Date of First, Resumed Production, SWD or Enhr. 06/08/2002			Producing Method Flowing ✓ Pumping Gas Lift Other (Explain) *		
Estimated Production Per 24 Hours	Oil 0	Bbls.	Gas TRACE	Mcf	Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas METHOD OF COMPLETION Production Interval

☐ Vented ☒ Sold ☐ Used on Lease ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled

(If vented, Sumit ACO-18.) ☐ Other (Specify)